

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (Currently Amended) A process for the production of a cellular composite consisting:

- (A) preparing a mixture consisting of (1) a polyisocyanate and (2) water, wherein said water is present in an amount such that there is an excess of from 2 to 5 times the stoichiometric quantity required based on the NCO group content of said polyisocyanate;
- (B) adding the mixture formed in (A) to (3) an inorganic component consisting of inorganic hollow microspheres under low shear mixing;
- (C) completely filling a mold with the mixture formed in (B);
and
- (D) heating the filled mold at a temperature of from 100 to 280°C;
thereby reacting the polyisocyanate and water to form a polyurea
which binds the hollow microspheres, thus forming a cellular
composite.

Claim 2 (Canceled)

Claim 3 (Canceled)

Claim 4 (Original) The process of Claim 1, wherein (D) said heating is at a temperature of from 125 to 150°C.

Claim 5 (Original) The process of Claim 1, wherein (B)(3) said inorganic hollow microspheres are selected from the group consisting of glass, silicates, borosilicates, ceramic, fly-ash and mixtures thereof.

Claim 6 (Original) The process of Claim 1, wherein (A)(1) said polyisocyanate is characterized by an NCO group content of from 25 to 35% by weight, and a functionality of from 2.0 to 3.5, a viscosity of less than about 500 mPa·s at 25°C, and is selected from the group consisting of aromatic polyisocyanates, and adducts and mixtures thereof.

Claim 7 (Currently Amended) The process of Claim 1, wherein (A)(2) said water is present in an amount such that there is an excess of from ~~2 to 5~~ 3 to 4 times the stoichiometric quantity required based on the NCO group content of (A)(1) said polyisocyanate.

Claim 8 (Original) The process of Claim 1, wherein (D) said heating continues from 0.5 to 60 minutes.

Claim 9 (Original) A cellular composite produced by the process of Claim 1.

Claim 10 (Canceled)

Claim 11 (New) The process of Claim 1, wherein (A)(1) said polyisocyanate consists of a polymethylene poly(phenylisocyanate) and is characterized by an NCO group content of from 29 to 33% by weight, and a functionality of from 2.0 to 3.0.